

AI200



AI Real-time Analysis

Face Recognition

Intelligent Media Production

Intelligent Analysis Unit AI200

☆ Product Overview

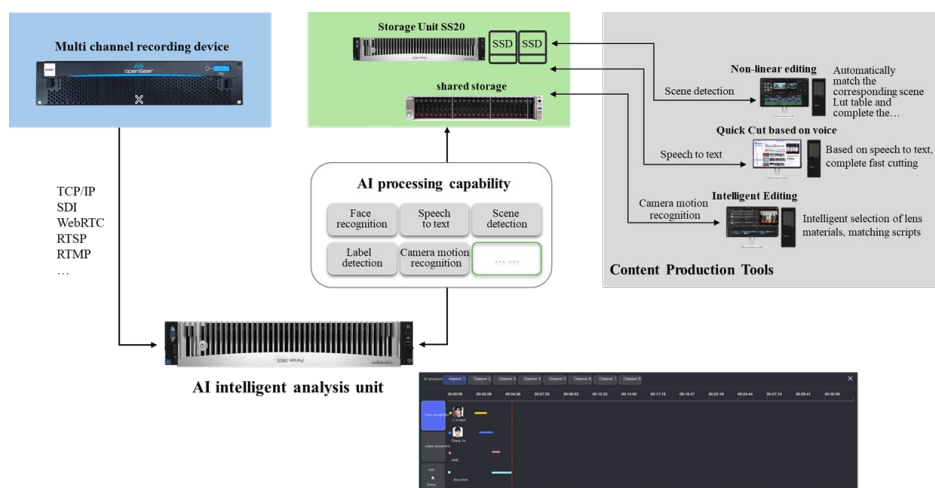
AI200 is a high-performance intelligent analysis device that provides various AI intelligent processing capabilities for deep intelligent analysis of real-time video and audio signals. It can be applied in fields such as radio and television, video surveillance, and intelligent media production, offering users efficient and accurate content analysis and processing solutions.

1. Support AI analysis, enabling online real-time face recognition, scene recognition, speech recognition, entity recognition, and more...
2. Compatible with mainstream protocols such as TCP/IP, WebRTC, RTSP, RTMP, and SDI

☰★ Scenarios

Scenario

- In the scenario of real-time signal recording, AI200 can work in collaboration with multi-channel recording settings REC-1026, REG-1024, storage unit SS20, and shared storage devices to achieve real-time intelligent analysis of recording tasks. The analysis results will be automatically written into the metadata files of the material, facilitating subsequent workflows such as intelligent editing and post-production editing, thereby supporting intelligent production and significantly improving efficiency.



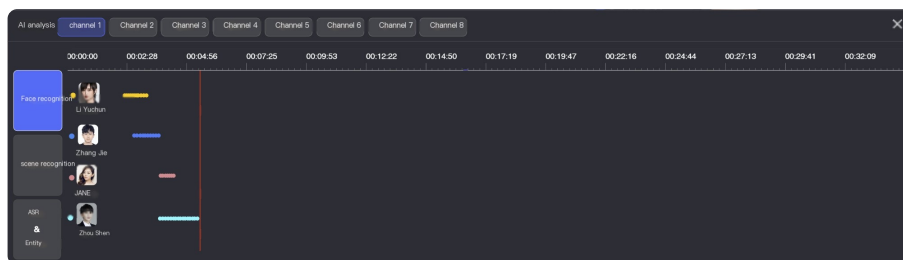
Key Features

Real-time Display of AI Intelligent Analysis Results

- When the AI node analysis unit collaborates with a multi-channel recording device, it displays the results of AI intelligent analysis according to the recording channels, as illustrated in the figure below:

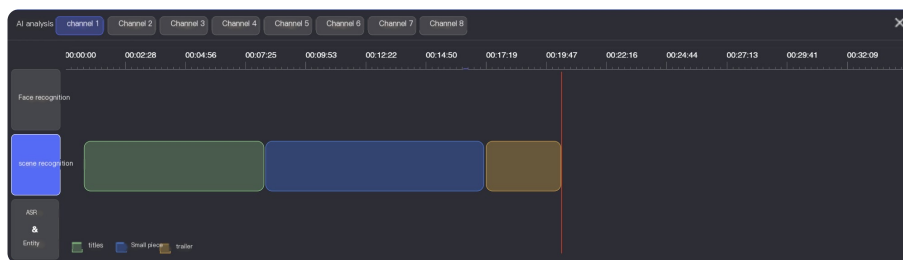
Face Recognition:

Analyze the information of individuals in each frame of video signal in real-time and display the analysis results in a timeline structure.



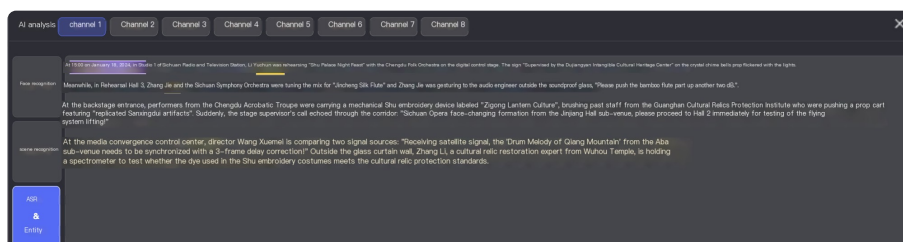
Scene Recognition:

Real-time analysis of the scene in each frame of video signal, such as the display of news titles, trailers, and end credits, presented in color blocks.



Speech & entity tag Recognition:

Recognize speech and convert it into text, and based on the text content, label entity tags in real-time, such as the presentation of time and person name entity tags.



Input/Output

Media Data Interface	25G QSFP28 x 2
DisplayPort	DisplayPort 1.4 x 4
VGA	D-sub 15 pin
USB	USB3.0 Type-A x 3, USB2.0 Type-A x 1
EtherNet	RJ-45 x 1

Main Function

A single device supports up to 20 channels of AI real-time analysis, enabling intelligent analysis of real-time video and audio streams with an average latency of less than 2 seconds. It provides intelligent processing capabilities such as scene recognition, face recognition, speech recognition, entity extraction, and shot motion recognition (the intelligent analysis capabilities can be adjusted according to resources and user needs)

Media tagging is performed based on intelligent processing capabilities, encompassing a range of related media tags such as timecode information, face tags, voice tags, background tags, brightness tags, and more

Chassis Configuration

Power Supply	100V-240V AC, 50/60 Hz
Power Consumption	2400W
Temperature Range	5°C - 40°C
Weight	39.5kg
Dimensions (W x H x D, mm)	434 x 86 x 780
Redundant Power Supply	